

Claims

1. A seat belt system with a first buckle unit (1) comprising a first tongue plate (3) and a first buckle body (5), and a second buckle unit (2) comprising a second tongue plate (4) and a second buckle body (6),

5 said buckle bodies (5) and (6) respectively including:

frames (17A) and (17B);

ejectors (20A) and (20B) slidably mounted on said frames (17A) and (17B) in a direction in which said tongue plates (3) and (4) are inserted, while being biased in a direction in which said tongue plates (3) and (4) are released;

10 hook members (18A) and (18B) pivotally mounted on said frames (17A) and (17B), said hook members (18A) and (18B) pivoting when said tongue plates (3) and (4) are inserted to make engagement with engagement holes (14A) and (14B) formed at said tongue plates (3) and (4); and

release buttons (21A) and (21B) for breaking engagement between said hook
15 members (18A) and (18B), and said tongue plates (3) and (4),

a distance (N) from an insertion front end to said engagement hole (14A) of said first tongue plate (3) being longer than a distance (P) from an insertion front end to said engagement hole (14B) of said second tongue plate (4),

said ejectors (20A) and (20B) respectively including abutment parts (47A) and
20 (47B) pushed by said tongue plates (3) and (4) when said tongue plates (3) and (4) are inserted, said ejectors (20A) and (20B) further respectively including pushing parts (48A) and (48B) being in contact with said hook members (18A) and (18B) when said tongue plates (3) and (4) are most deeply inserted to force said hook members (18A) and (18B) to pivot in a direction for making engagement with said tongue plates (3) and (4),

25 a distance (L) from said abutment part (47A) to said pushing part (48A) of said

ejector (20A) of said first buckle body (5) being shorter than a distance (M) from said abutment part (47B) to said pushing part (48B) of said ejector (20B) of said second buckle body (6),

said seat belt system comprising restriction means for preventing said ejector
5 (20A) of said first buckle body (5) from reaching a position for making engagement when said second tongue plate (4) is inserted into said first buckle body (5), and

said ejector (20A) of said first buckle body (5) having suppression-specific projections (61) for preventing the pivotal movement of said hook member (18A) in a direction for making engagement until said ejector (20A) reaches a position for making
10 engagement between said first tongue plate (3) and the hook member (18A).

2. The seat belt system according to claim 1,

wherein said buckle bodies (5) and (6) respectively have lower covers (24A) and (24B) with openings through which said tongue plates (3) and (4) are inserted, and
15 upper covers (25A) and (25B) coupled to said lower covers (24A) and (25B), and

wherein a projection (60) is defined at said opening of said lower cover (24A) of said first buckle body (5), said projection (60) projecting further in a direction for releasing said tongue plate (3) than that at said opening of said lower cover (24B) of said second buckle body (6), thereby constituting said restriction means.

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3. The seat belt system according to claim 1 or 2,

wherein a distance (Q) from an insertion front end to an insertion terminal end of an insertion part (12A) of said first tongue plate (3) to be inserted into said first buckle body (5) is longer than a distance (R) from an insertion front end to an insertion terminal
25 end of an insertion part (12B) of said second tongue plate (4) to be inserted into said

second buckle body (6), thereby constituting said restriction means.